

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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Christa M. Caliva

Applicant : Dah-Ben Liang, et al.
Application No. : 09/637,764
Filed : August 10, 2000
Title : ROCK BIT WITH HARD-FACING
MATERIAL INCORPORATING
SPHERICAL CAST CARBIDE
PARTICLES

Grp./Div. : 3672
Examiner : R. Schoepfel
Docket No. : 36912/CM/S61

AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Post Office Box 7068
Pasadena, CA 91109-7068
September 17, 2002

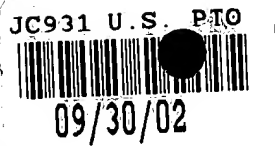
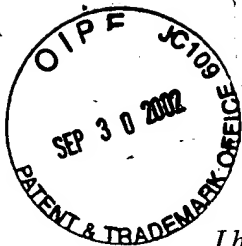
Commissioner:

In response to the Office Action of April 17, 2002, please amend the above-identified application as follows:

In the Claims:

Amend claims 4, 29 and 33, and add claim 38 as follows:

1. (Amended) A rock bit comprising:
a body;
at least one cutting cone rotatably mounted to an end of the body, wherein the cone includes a gage surface at a heel portion of the cone;



SEP 30 2002
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AMENDMENT TRANSMITTAL LETTER

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Christa M. Caliva

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OCT 07 2002

GROUP 3600

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Filed : August 10, 2000
Title : ROCK BIT WITH HARD-FACING MATERIAL
INCORPORATING SPHERICAL CAST CARBIDE PARTICLES
Grp./Div. : 3672
Examiner : R. Schoepel
Docket No. : 36912/CM/S61

Assistant Commissioner for Patents
Washington, D.C. 20231

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Pasadena, CA 91109-7068
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Enclosed is an amendment to the above-identified application.

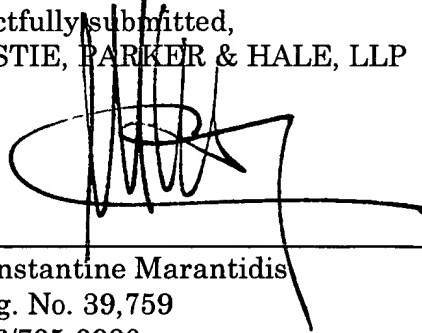
CLAIMS AS AMENDED						
	Claims Remaining After Amendment	Highest Number Paid For	Number Extra Claims	Small Entity Rate	Large Entity Rate	FEE
Total Claims Fee	36	* 38	0	x \$9.00	x \$18.00	\$0.00
Independent Claims	8	** 7	1	x \$42.00	1 x \$84.00	\$84.00
Multiple Dependent Claims ***				\$140.00	\$280.00	\$0.00
TOTAL FILING FEE						\$84.00
NO ADDITIONAL FEE REQUIRED ****	IF NO FEE REQUIRED, INSERT "0"					\$84.00
LIST INDEPENDENT CLAIMS: 1, 12, 13, 23, 28, 32, 36 and 38						
* IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 20 OR LESS, WRITE "20" IN COLUMN 3 ** IF HIGHEST NUMBER PREVIOUSLY PAID FOR IS 3 OR LESS, WRITE "3" IN COLUMN 3 *** PAY THIS FEE ONLY WHEN MULTIPLE DEPENDENT CLAIMS ARE ADDED FOR THE FIRST TIME **** IF NO FEE REQUIRED, ADDRESS ENVELOPE TO "BOX NON-FEE AMENDMENTS"						

- ☒ Attached is our check for \$84.00 to pay the fees calculated above.
☒ A Petition for Extension of Time and the required fee are enclosed.
☒ Other enclosures: Copy of Previously Submitted Amendment in Proper Format;
Declarations for Reissue Patent Applications (4 Declarations); Consent of Assignee

Amendment Transmittal Letter
Application No. 09/637,764

The Commissioner is hereby authorized to charge any fees under 37 CFR 1.16 and 1.17 which may be required by or to give effect to this paper to Deposit Account No. 03-1728. Please show our docket number with any charge or credit to our Deposit Account. **A copy of this letter is enclosed.**

Respectfully submitted,
CHRISTIE, PARKER & HALE, LLP

A handwritten signature in black ink, appearing to be 'CM', written over a horizontal line.

By _____
Constantine Marantidis
Reg. No. 39,759
626/795-9900

CM/cmc
CC PAS461461.1-*9/17/02 10:34 AM